

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	2	"US 7592773"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/05/08 21:48
S1	2	"US 20070108944"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/04/11 18:01
S3	4393977	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/13 19:47
S4	624	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:47
S5	0	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:47
S6	17861	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:47
S7	0	S4 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:48
S12	2	("6087815").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 18:32

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S13	21	("1530342"   "3274476"   "3308419"   "3828201"   "3919615"   "4300087"   "4389704"   "4524412"   "4578772"   "4675538"   "4748344"   "5019767"   "5021727"   "5211321"   "5450003"   "5587916"   "5656876"   "5808884").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/21 20:11
S14	13	("6087815").URPN.	USPAT	OR	ON	2009/04/21 20:14
S15	57	("20010035736"   "20010053313"   "20020085403"   "20030058638"   "20030066666"   "20030090162"   "20030102346"   "20030121682"   "20030160075"   "20030213829"   "20040050887"   "20040089689"   "20040121224"   "20040140336"   "20040206522"   "20040226174"   "20050058893"   "20050078303"   "20050082920"   "20050111214"   "20050115724"   "20050133552"   "20050152131"   "20050153596"   "20050161305"   "20050200087"   "20050218182"   "20050223902"   "3919615"   "4677362"   "4779687"   "4827534"   "4966321"   "5095259"   "5211321"   "5562240"   "5810232"   "5929597"   "6016944"   "6065658"   "6087815"   "6106971"   "6155471"   "6188228"   "6211662"   "6301997"   "6490186"   "6501197"   "6502949"   "6641107"   "6688407"   "6720949"   "6729743"   "6851487"   "6926473"   "6939641"   "7015675").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/21 20:23
S16	18	((("5,217,395") or ("5,993,240") or ("6,501,197") or ("6,536,536") or ("6,616,300") or ("4,876,490") or ("6,260,978") or ("6,106,971") or ("200510153596")).PN. or (2001/0035736).CCLS.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 20:38
S17	631	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 20:44
S18	17911	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 20:44
S19	235	S17 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 20:44

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S20	631	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S21	17911	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S22	235	S20 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S23	95	S22 lithium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S24	13	("6229280").URPN.	USPAT	OR	ON	2009/04/25 13:41
S25	1	charger battery terminal voltage measur\$5 detect\$4 near live adj connect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:44
S26	1	charger battery terminal voltage measur\$5 detect\$4 near live near connect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:44
S27	0	charger battery terminal voltage measur\$5 detect\$4 near hot adj (plug or connect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:46
S28	0	charger battery terminal voltage measur\$5 detect\$4 near onnect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:46

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S29	505	charger battery terminal voltage measur\$5 detect\$4 near connect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:46
S30	41	charger battery terminal voltage measur\$5 detect\$4 near connect\$4 lithium\$ion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:48
S31	4	((("5929597") or ("6268710"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/25 15:56
S32	0	(battery or cell) near deteriorat\$3 with (loss near capacity and increase near spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:25
S33	0	(battery or cell) near deteriorat\$3 same (loss near capacity and increase near spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:26
S34	0	(battery or cell) near deteriorat\$3 same (loss near capacity and increase with spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:26
S35	1	(battery or cell) near deteriorat\$3 and (loss near capacity and increase with spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:26
S36	7	(battery or cell) near deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:54
S37	5	(battery or cell) with (deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:24

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S38	0	("2005/0069484").URPN.	USPAT	OR	ON	2009/11/20 19:27
S39	5	("4551400"   "4605603"   "4621034"   "4623597"   "4637967").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/20 19:27
S40	9	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:29
S41	29	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase same (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:31
S42	29	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase same (spontaneous or self) with discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:38
S43	33	(battery or cell) same (deteriorat\$3 and (loss with capacity and increase same (spontaneous or self) with discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:39
S44	4	S43 not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:39
S52	0	tool with (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) with (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 11:09
S53	0	tool same (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) same (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 11:09
S54	10	tool same (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) and (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 11:10

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S55	10	("20010011881"   "20020175656"   "20030011345"   "20030044689"   "20030122527"   "5250891"   "5617017"   "5680027"   "5886502"   "6051955").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/21 11:15
S56	4	("5438250"   "5952815"   "6208117"   "6268710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/21 11:18
S57	2	("5,680,027").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/21 21:00
S58	0	("analogadjdigitaladjconverternearmultiplexe rwithamplif\$3samebatterynearmonitor\$3wit hvoltage").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/21 21:09
S59	0	analog adj digital adj converter near multiplexer with amplif\$3 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 21:11
S60	0	analog near digital near converter with multiplexer with amplif\$5 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 21:12
S61	2	analog near digital near converter same multiplexer with amplif\$5 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 21:12
S62	52	motor power adj tool battery charger internet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 22:38
S63	22	motor power adj tool battery charger cell adj balanc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 23:01

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S64	140	battery adj pack charger cell adj balanc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 23:02
S65	627	"320"/112.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/22 00:18
S66	2	("7227335").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 00:27
S67	2	("20050001625"   "6218806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/22 00:28
S68	28	("5929597").URPN.	USPAT	OR	ON	2009/11/22 00:32
S69	147	motor power adj tool battery charger packag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/22 00:37
S70	0	(2001/052758).CCLS.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 00:48
S71	4	("2001052758").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 00:49
S72	0	("2001052758").PN.	US-PGPUB	OR	OFF	2009/11/22 00:49
S73	1	("20010052758").PN.	US-PGPUB	OR	OFF	2009/11/22 00:49
S74	0	ep1217710	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/22 09:55
S75	6109464	ep "1217710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/22 09:55

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S76	8	((("2003096158") or ("2002079867"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 09:59
S77	8	((("2003096158") or ("2002079867"))).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2009/11/22 09:59
S78	2	((("20030096158") or ("20020079867"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 10:01
S79	4	((("20030096158") or ("20020079867"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/22 10:03
S80	8	("20010052758"   "20040075417"   "20040080298"   "20050007068"   "5929597"   "6242893"   "6268710"   "6268713").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/22 13:28
S81	45	((ROGER) near2 (PELLENC)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/22 13:42
S82	1	("6268710").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/12 17:31
S83	0	power adj tool and (live adj conect\$4 or hot adj plug) near (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 23:31
S84	0	power adj tool and ( conect\$4 or hot adj plug) near (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 23:31
S85	0	power adj tool and ( conect\$4 or hot adj plug\$4) near (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 23:31
S86	1	("5808469").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/16 12:05



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S87	44	(US-20070108944-\$ or US-20040095094-\$ or US-20040070369-\$ or US-20030117108-\$ or US-20050069484-\$ or US-20030025482-\$ or US-20020084771-\$ or US-20040160212-\$ or US-20050077878-\$ or US-20010052758-\$ or US-20030096158-\$ or US-20020079867-\$ or US-20070148539-\$).did. or (US-6087815-\$ or US-6495932-\$ or US-6982541-\$ or US-6515451-\$ or US-6329788-\$ or US-6324339-\$ or US-6229280-\$ or US-6104162-\$ or US-6075341-\$ or US-6018227-\$ or US-7238443-\$ or US-7176656-\$ or US-6433517-\$ or US-6268710-\$ or US-5929597-\$ or US-7154255-\$ or US-6895516-\$ or US-4728586-\$ or US-6472847-\$ or US-6388425-\$ or US-5325041-\$ or US-7508171-\$ or US-7417405-\$ or US-5952815-\$ or US-7227335-\$ or US-6891352-\$).did. or (US-6373228-\$ or US-7592773-\$ or US-5808469-\$).did. or (US-3202900-\$ or US-2818543-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/16 13:23
S88	0	("8shortadjprotect\$5").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/16 13:23
S89	0	S87 short adj protect\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/16 13:23
S90	8	S87 short adj circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/16 13:24
S91	560	battery with (fuse and breaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/16 13:28
S92	2	battery near (fuse and breaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/16 13:28
S93	3	("4188460"   "4690879"   "5057382").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/16 13:28

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S94	172	battery with (fuse and breaker) short adj circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/16 13:30
S95	23	battery with (fuse and breaker) short adj circuit near protect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/16 13:30
S96	2	("20050001625"   "6218806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/16 13:58
S97	17846	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/16 14:46
S98	4	S97 information near internet	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/16 14:46
S99	122	S97 information with internet	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/16 14:47
S10 0	4	S97 charg\$3 adj information with internet	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/16 14:47
S10 1	7	S97 battery adj information with internet	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/16 14:48
S10 6	6	((("5959437") or ("20050182987") or ("7855531"))).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2011/01/26 12:32
S10 7	0	over adj discharg\$3 adj current tool near moter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:42
S10 8	0	over adj current near discharg\$3 tool near moter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:42
S10 9	8	over adj current near discharg\$3 tool near motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:42

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S110	10	("20010011881"   "20020175656"   "20030011345"   "20030044689"   "20030122527"   "5250891"   "5617017"   "5680027"   "5886502"   "6051955").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/26 12:43
S111	10	(over adj current or overcurrent or over\$current) near discharg\$3 tool near motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:44
S112	18	(over adj current or overcurrent or over\$current) near discharg\$3 tool with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:45
S113	10	S112 not S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:45
S114	29	(over adj current or overcurrent or over\$current) near discharg\$3 tool and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:46
S115	11	S114 not S112	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:46
S116	21	(over adj current or overcurrent or over\$current) near discharg\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:48
S117	86	(over adj current or overcurrent or over\$current) with discharg\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:49
S118	0	(over adj current or overcurrent or over\$current) with discharg\$3 power near tool moter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:49
S119	64	(over adj current or overcurrent or over\$current) with discharg\$3 power near tool motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:49

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S12 0	65	(over adj current or overcurrent or over\$current) near protect\$3 power near tool motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:51
S12 1	429	(over adj current or overcurrent or over\$current) near protect\$3 tool motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:52
S12 2	79	(over adj current or overcurrent or over\$current) near protect\$3 tool with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:52
S12 3	44	S122 not S120	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 12:52
S12 4	27	("4873453").URPN.	USPAT	OR	ON	2011/01/26 12:54
S12 5	127	(current) near protect\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 13:26
S12 6	83	(current) near protect\$3 power near tool discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 13:26
S12 7	16	(current) near protect\$3 with power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 13:27
S12 8	15	(current) near protect\$3 with discharg\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/26 13:27

## EAST Search History (Prior Art)

S129	51	(US-20070108944-\$ or US-20040095094-\$ or US-20040070369-\$ or US-20030117108-\$ or US-20050069484-\$ or US-20030025482-\$ or US-20020084771-\$ or US-20040160212-\$ or US-20050077878-\$ or US-20010052758-\$ or US-20030096158-\$ or US-20020079867-\$ or US-20070148539-\$ or US-20040027094-\$).did. or (US-6087815-\$ or US-6495932-\$ or US-6982541-\$ or US-6515451-\$ or US-6329788-\$ or US-6324339-\$ or US-6229280-\$ or US-6104162-\$ or US-6075341-\$ or US-6018227-\$ or US-7238443-\$ or US-7176656-\$ or US-6433517-\$ or US-6268710-\$ or US-5929597-\$ or US-7154255-\$ or US-6895516-\$ or US-4728586-\$ or US-6472847-\$ or US-6388425-\$ or US-5325041-\$ or US-7508171-\$ or US-7417405-\$ or US-5952815-\$ or US-7227335-\$ or US-6891352-\$).did. or (US-6373228-\$ or US-7592773-\$ or US-5808469-\$ or US-5621277-\$ or US-5466545-\$ or US-5959437-\$ or US-4873453-\$ or US-6836614-\$ or US-5614798-\$).did. or (US-3202900-\$ or US-2818543-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/30 18:19
S130	3	S129 current adj protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/30 18:19
S131	21087	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/01/30 18:24
S132	190	S131 over adj current adj protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/30 18:24
S133	11	S131 over adj current adj protect\$3 near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/30 18:25
S134	17	S131 current adj protect\$3 near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/30 18:25

## EAST Search History (Prior Art)

S13 5	17	S134 not S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/01/30 18:26
S13 6	2	("6836614").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2011/01/30 18:35
S13 7	63	((ROGER) near2 (PELLENC)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/30 19:37
S13 8	2	"US 20070108944"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/05/08 16:12
S13 9	5027975	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 16:12
S14 0	859	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S14 1	0	"320"/\$ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S14 2	21631	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S14 3	0	S140 S141	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S14 4	2	("6087815").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12

## EAST Search History (Prior Art)

S14 5	21	("1530342"   "3274476"   "3308419"   "3828201"   "3919615"   "4300087"   "4389704"   "4524412"   "4578772"   "4675538"   "4748344"   "5019767"   "5021727"   "5211321"   "5450003"   "5587916"   "5656876"   "5808884").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S14 6	41	("6087815").URPN.	USPAT	OR	ON	2011/05/08 16:12
S14 7	57	("20010035736"   "20010053313"   "20020085403"   "20030058638"   "20030066666"   "20030090162"   "20030102346"   "20030121682"   "20030160075"   "20030213829"   "20040050887"   "20040089689"   "20040121224"   "20040140336"   "20040206522"   "20040226174"   "20050058893"   "20050078303"   "20050082920"   "20050111214"   "20050115724"   "20050133552"   "20050152131"   "20050153596"   "20050161305"   "20050200087"   "20050218182"   "20050223902"   "3919615"   "4677362"   "4779687"   "4827534"   "4966321"   "5095259"   "5211321"   "5562240"   "5810232"   "5929597"   "6016944"   "6065658"   "6087815"   "6106971"   "6155471"   "6188228"   "6211662"   "6301997"   "6490186"   "6501197"   "6502949"   "6641107"   "6688407"   "6720949"   "6729743"   "6851487"   "6926473"   "6939641"   "7015675").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S14 8	18	((("5,217,395") or ("5,993,240") or ("6,501, 197") or ("6,536,536") or ("6,616,300") or ("4,876,490") or ("6,260,978") or ("6,106, 971") or ("200510153596")).PN. or (2001/0035736).CCLS.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S14 9	859	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 0	21631	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S15 1	331	S149 S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 2	859	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 3	21631	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 4	331	S152 S153	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 5	170	S154 lithium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 6	20	("6229280").URPN.	USPAT	OR	ON	2011/05/08 16:12
S15 7	1	charger battery terminal voltage measur\$5 detect\$4 near live adj connect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 8	1	charger battery terminal voltage measur\$5 detect\$4 near live near connect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S15 9	0	charger battery terminal voltage measur\$5 detect\$4 near hot adj (plug or connect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12



## EAST Search History (Prior Art)

S16 0	0	charger battery terminal voltage measur\$5 detect\$4 near onnect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 1	628	charger battery terminal voltage measur\$5 detect\$4 near connect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 2	55	charger battery terminal voltage measur\$5 detect\$4 near connect\$4 lithium\$ion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 3	4	((("5929597") or ("6268710"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S16 4	0	(battery or cell) near deteriorat\$3 with (loss near capacity and increase near spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 5	0	(battery or cell) near deteriorat\$3 same (loss near capacity and increase near spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 6	0	(battery or cell) near deteriorat\$3 same (loss near capacity and increase with spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 7	1	(battery or cell) near deteriorat\$3 and (loss near capacity and increase with spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S16 8	7	(battery or cell) near deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S169	6	(battery or cell) with (deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S170	0	("2005/0069484").URPN.	USPAT	OR	ON	2011/05/08 16:12
S171	5	("4551400"   "4605603"   "4621034"   "4623597"   "4637967").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S172	10	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S173	30	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase same (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S174	31	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase same (spontaneous or self) with discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S175	36	(battery or cell) same (deteriorat\$3 and (loss with capacity and increase same (spontaneous or self) with discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S176	5	S175 not S174	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S177	0	tool with (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) with (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S17 8	0	tool same (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) same (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S17 9	13	tool same (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) and (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S18 0	10	("20010011881"   "20020175656"   "20030011345"   "20030044689"   "20030122527"   "5250891"   "5617017"   "5680027"   "5886502"   "6051955").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S18 1	4	("5438250"   "5952815"   "6208117"   "6268710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S18 2	2	("5,680,027").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S18 3	0	("analogadjdigitaladjconverternearmultiplexe rwithamplif\$3samebatterynearmonitor\$3wit hvoltage").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S18 4	0	analog adj digital adj converter near multiplexer with amplif\$3 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S18 5	0	analog near digital near converter with multiplexer with amplif\$5 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S18 6	2	analog near digital near converter same multiplexer with amplif\$5 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S18 7	55	motor power adj tool battery charger internet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S18 8	29	motor power adj tool battery charger cell adj balanc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S18 9	209	battery adj pack charger cell adj balanc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S19 0	744	"320"/112.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S19 1	2	("7227335").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S19 2	2	("20050001625"   "6218806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S19 3	31	("5929597").URPN.	USPAT	OR	ON	2011/05/08 16:12
S19 4	199	motor power adj tool battery charger packag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S19 5	0	(2001/052758).CCLS.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S19 6	4	("2001052758").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S19 7	0	("2001052758").PN.	US-PGPUB	OR	OFF	2011/05/08 16:12

## EAST Search History (Prior Art)

S19 8	1	("20010052758").PN.	US-PGPUB	OR	OFF	2011/05/08 16:12
S19 9	0	ep1217710	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 16:12
S20 0	7036518	ep "1217710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 16:12
S20 1	8	((("2003096158") or ("2002079867"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S20 2	8	((("2003096158") or ("2002079867"))).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2011/05/08 16:12
S20 3	2	((("20030096158") or ("20020079867"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/08 16:12
S20 4	4	((("20030096158") or ("20020079867"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/05/08 16:12
S20 5	8	("20010052758"   "20040075417"   "20040080298"   "20050007068"   "5929597"   "6242893"   "6268710"   "6268713").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S20 6	64	((ROGER) near2 (PELLENC)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S20 7	1	("6268710").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/08 16:12
S20 8	0	power adj tool and (live adj conect\$4 or hot adj plug) near (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S209	0	power adj tool and ( conect\$4 or hot adj plug) near (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S210	0	power adj tool and ( conect\$4 or hot adj plug\$4) near (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S211	1	("5808469").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/08 16:12
S212	44	(US-20070108944-\$ or US-20040095094-\$ or US-20040070369-\$ or US-20030117108-\$ or US-20050069484-\$ or US-20030025482-\$ or US-20020084771-\$ or US-20040160212-\$ or US-20050077878-\$ or US-20010052758-\$ or US-20030096158-\$ or US-20020079867-\$ or US-20070148539-\$).did. or (US-6087815-\$ or US-6495932-\$ or US-6982541-\$ or US-6515451-\$ or US-6329788-\$ or US-6324339-\$ or US-6229280-\$ or US-6104162-\$ or US-6075341-\$ or US-6018227-\$ or US-7238443-\$ or US-7176656-\$ or US-6433517-\$ or US-6268710-\$ or US-5929597-\$ or US-7154255-\$ or US-6895516-\$ or US-4728586-\$ or US-6472847-\$ or US-6388425-\$ or US-5325041-\$ or US-7508171-\$ or US-7417405-\$ or US-5952815-\$ or US-7227335-\$ or US-6891352-\$).did. or (US-6373228-\$ or US-7592773-\$ or US-5808469-\$).did. or (US-3202900-\$ or US-2818543-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S213	0	("8shortadjprotect\$5").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/08 16:12
S214	0	S212 short adj protect\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S215	8	S212 short adj circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S21 6	599	battery with (fuse and breaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S21 7	2	battery near (fuse and breaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S21 8	3	("4188460"   "4690879"   "5057382").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S21 9	182	battery with (fuse and breaker) short adj circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S22 0	23	battery with (fuse and breaker) short adj circuit near protect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S22 1	2	("20050001625"   "6218806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S22 2	19411	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S22 3	7	S222 information near internet	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/08 16:12
S22 4	164	S222 information with internet	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/08 16:12
S22 5	4	S222 charg\$3 adj information with internet	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/08 16:12
S22 6	7	S222 battery adj information with internet	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/08 16:12
S22 7	6	((("5959437") or ("20050182987") or ("7855531"))).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2011/05/08 16:12
S22 8	0	over adj discharg\$3 adj current tool near moter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S229	0	over adj current near discharg\$3 tool near moter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S230	9	over adj current near discharg\$3 tool near motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S231	10	("20010011881"   "20020175656"   "20030011345"   "20030044689"   "20030122527"   "5250891"   "5617017"   "5680027"   "5886502"   "6051955").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S232	11	(over adj current or overcurrent or over\$current) near discharg\$3 tool near motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S233	20	(over adj current or overcurrent or over\$current) near discharg\$3 tool with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S234	11	S233 not S230	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S235	32	(over adj current or overcurrent or over\$current) near discharg\$3 tool and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S236	12	S235 not S233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S237	24	(over adj current or overcurrent or over\$current) near discharg\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S238	91	(over adj current or overcurrent or over\$current) with discharg\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12



## EAST Search History (Prior Art)

S23 9	0	(over adj current or overcurrent or over\$current) with discharg\$3 power near tool moter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 0	69	(over adj current or overcurrent or over\$current) with discharg\$3 power near tool motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 1	72	(over adj current or overcurrent or over\$current) near protect\$3 power near tool motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 2	443	(over adj current or overcurrent or over\$current) near protect\$3 tool motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 3	82	(over adj current or overcurrent or over\$current) near protect\$3 tool with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 4	44	S243 not S241	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 5	27	("4873453").URPN.	USPAT	OR	ON	2011/05/08 16:12
S24 6	137	(current) near protect\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 7	91	(current) near protect\$3 power near tool discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 8	17	(current) near protect\$3 with power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S24 9	15	(current) near protect\$3 with discharg\$3 power near tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12

## EAST Search History (Prior Art)

S25 0	51	(US-20070108944-\$ or US-20040095094-\$ or US-20040070369-\$ or US-20030117108-\$ or US-20050069484-\$ or US-20030025482-\$ or US-20020084771-\$ or US-20040160212-\$ or US-20050077878-\$ or US-20010052758-\$ or US-20030096158-\$ or US-20020079867-\$ or US-20070148539-\$ or US-20040027094-\$).did. or (US-6087815-\$ or US-6495932-\$ or US-6982541-\$ or US-6515451-\$ or US-6329788-\$ or US-6324339-\$ or US-6229280-\$ or US-6104162-\$ or US-6075341-\$ or US-6018227-\$ or US-7238443-\$ or US-7176656-\$ or US-6433517-\$ or US-6268710-\$ or US-5929597-\$ or US-7154255-\$ or US-6895516-\$ or US-4728586-\$ or US-6472847-\$ or US-6388425-\$ or US-5325041-\$ or US-7508171-\$ or US-7417405-\$ or US-5952815-\$ or US-7227335-\$ or US-6891352-\$).did. or (US-6373228-\$ or US-7592773-\$ or US-5808469-\$ or US-5621277-\$ or US-5466545-\$ or US-5959437-\$ or US-4873453-\$ or US-6836614-\$ or US-5614798-\$).did. or (US-3202900-\$ or US-2818543-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12
S25 1	3	S250 current adj protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S25 2	21631	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/05/08 16:12
S25 3	197	S252 over adj current adj protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S25 4	11	S252 over adj current adj protect\$3 near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S25 5	17	S252 current adj protect\$3 near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12

### EAST Search History (Prior Art)

S25 6	17	S255 not S254	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/05/08 16:12
S25 7	2	("6836614").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2011/05/08 16:12
S25 8	64	((ROGER) near2 (PELLENC)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 16:12

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"320"/112.ccls.	UPAD	AND	ON	2011/05/08 21:01
L2	255	"320"/112.ccls.	US-PGPUB	AND	ON	2011/05/08 21:01
L3	477	"320"/112.ccls.	USPAT	AND	ON	2011/05/08 21:04